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Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | | | | | |
|--|---|---|----------------|-------------|----------------|-----------|
| UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) | | Attorney Docket No. | 488-00057 | Total Pages | 28 | |
| | | First Named Inventor or Application Identifier | | | | pro |
| | | Norihiko Furuta | | | | 10/630612 |
| | | Express Mail Label No. | EV342893483US | | | |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents | | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231 | | | | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing) | | 6. <input type="checkbox"/> Microfiche Computer Program (Appendix) | | | | |
| 2. <input checked="" type="checkbox"/> Specification [Total Pages 14] (preferred arrangement set forth below) <ul style="list-style-type: none"> - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure | | 7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identify of above copies | | | | |
| | | ACCOMPANYING APPLICATION PARTS | | | | |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 8] 2 | | 8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) | | | | |
| 4. Oath or Declaration [Total Pages 2] <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) <small>[Note Box 5 below]</small> <ul style="list-style-type: none"> i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). | | 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee) | | | | |
| 5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. | | 10. <input type="checkbox"/> English Translation Document (if applicable) | | | | |
| 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ / _____ | | 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations | | | | |
| | | 12. <input checked="" type="checkbox"/> Preliminary Amendment | | | | |
| | | 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) | | | | |
| | | 14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior Statement(s) application, Status still proper and desired | | | | |
| | | 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) | | | | |
| | | 16. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail</u> | | | | |
| | | | | | | |
| 18. CORRESPONDENCE ADDRESS | | | | | | |
| NAME | Joseph J. Jochman, Reg. No. 25,058 ANDRUS, SCEALES, STARKE & SAWALL, LLP | | | | | |
| ADDRESS | 100 East Wisconsin Avenue Suite 1100 | | | | | |
| CITY | Milwaukee | STATE | Wisconsin | ZIP CODE | 53202-4178 | |
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CERTIFICATE OF EXPRESS MAIL

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Barbara A. Johnson

Name

July 30, 2003

Date

Barbara A. Johnson

Date

07/30/03

16367 U
PTO/SB/17
(10/97)

FEE TRANSMITTAL

Approved for use through 9/30/98
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Total Amount of Payment (\$ 750.00)

Attorney Docket Number 488-00057

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

01.2000

Deposit Account Name

Andrus, Sceales, Starke & Sawall, LLP

Charge any additional fee required under 37 CFR 1.16 and 1.17 Charge the Issue Fee set in 37 CFR 1.18 at the Mailing Of the Notice of Allowance, 37 CFR 1.311(b)

3. Payment Enclosed:

Check Money Order Other

FEE CALCULATION (fees effective 10/01/97)

1. Filing Fee

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee | Fee | Fee | Fee |
|---------------|---------------|-----|-----|------------------------|-------|
| 101 | 750 | 201 | 375 | Utility filing fee | \$750 |
| 106 | 330 | 206 | 165 | Design filing fee | _____ |
| 107 | 480 | 207 | 240 | Plant filing fee | _____ |
| 108 | 690 | 208 | 345 | Reissue filing fee | _____ |
| 114 | 150 | 214 | 75 | Provisional filing fee | _____ |

SUBTOTAL (1) (\$ 750.00)

2. Claims

Extra Fee from below

Total claims 3 -20= 0 X = _____

Independent 3 - 3= 0 X = _____

Claims

Multiple Dependent _____ X _____ =

Claims

Large Entity Small Entity Fee

| Fee Code (\$) | Fee Code (\$) | Fee | Fee | Fee | Description |
|---------------|---------------|-----|-----|---|-------------|
| 103 | 18 | 203 | 9 | Claims in excess of 20 | |
| 102 | 78 | 202 | 39 | Independent claims in excess of 3 | |
| 104 | 270 | 204 | 135 | Multiple dependent claim | |
| 109 | 82 | 209 | 41 | Reissue independent claims over original patent | |
| 110 | 22 | 210 | 11 | Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2) (\$ 0)

FEE CALCULATION (continued)

2. Additional Fees

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee | Fee | Fee | Fee Description | Fee Paid |
|---------------------------|---------------|-----|--------|--|-----------------|----------|
| 105 | 130 | 205 | 65 | Surcharge-late filing fee or oath | _____ | |
| 127 | 50 | 227 | 25 | Surcharge-late provisional filing fee or cover sheet | _____ | |
| 139 | 130 | 139 | 130 | Non-English specification | _____ | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | _____ | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | _____ | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | _____ | |
| 115 | 110 | 215 | 55 | Extension for response within first month | _____ | |
| 116 | 400 | 216 | 200 | Extension for response within second month | _____ | |
| 117 | 950 | 217 | 475 | Extension for response within third month | _____ | |
| 118 | 1,510 | 218 | 755 | Extension for response within fourth month | _____ | |
| 128 | 2,060 | 228 | 1,030 | Extension for response within fifth month | _____ | |
| 119 | 310 | 219 | 155 | Notice of appeal | _____ | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | _____ | |
| 121 | 270 | 221 | 135 | Request for oral hearing | _____ | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | _____ | |
| 140 | 110 | 240 | 55 | Petition to revive unavoidably abandoned application | _____ | |
| 141 | 1,320 | 241 | 660 | Petition to revive unintentionally abandoned application | _____ | |
| 142 | 1,320 | 242 | 660 | Utility issue fee (or reissue) | _____ | |
| 143 | 450 | 243 | 225 | Design issue fee | _____ | |
| 144 | 670 | 244 | 335 | Plant issue fee | _____ | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | _____ | |
| 123 | 50 | 123 | 50 | Petitions related to provisional applications | _____ | |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Statement | _____ | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | _____ | |
| 146 | 790 | 246 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | _____ | |
| 149 | 790 | 249 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) | _____ | |
| Other fee (specify) _____ | | | | | | |
| Other fee (specify) _____ | | | | | | |
| SUBTOTAL (3) (\$ 0) | | | | | | |

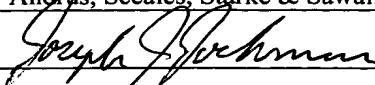
*Reduced by Basic Filing Fee Paid

SUBMITTED BY

COMPLETE (if applicable)

Type or Printed name Joseph J. Jochman
Andrus, Sceales, Starke & Sawall, LLP

Registration Number 25,058

Signature 

Date 7/30/2003

Deposit Account User ID